11/13/2019

REVIEWED
By Britany Wylie at 2:10 pm, Nov 20, 2019

S TS

Worklist: 3814

LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
M2019-4695	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4742	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4750	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4845	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
M2019-4870	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3255	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3261	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3273	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3274	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3275	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3276	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3277	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3281	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3281	3	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3284	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3290	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3324	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3325	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3328	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3397	2	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ
P2019-3410	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

Worklist: 3814

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LAB_CASE	ITEM	ITEM_TYPE	DESCRIPTION
P2019-3411	1	BCK	AM 25/AM 26 Blood MultiDrug/THC Screen by LC-QQQ

§ TS

AM# 25: Multi-Drug Screen in Blood by LC-MS/MS

Extraction Date: 11/07/19
Plate lot#: 0543908

Analyst: Tamara Salazar
Plate Expiration: 11/29/19

Mobile phase A: 10mM Amm Form
0.5M Ammonium Hydroxide
Blank Blood Lot: Hemostat 445283-3
LCMS-QQQ ID: 069901

Mobile phase B: 0.1% Formic Acid in MeOH
Ethyl Acetate LC Methanol
Column: Phenomenex Phenyl Hexyl (4.6x50mm, 2.6um)

Pre-Analytic:

☒ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
☒ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **250µL 00.5M ammonium hydroxide** in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) *Manifold ID: 067104*
☒ 8. Wait 5 minutes.
☒ 9. Add **900uL ethyl acetate.**
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **900uL ethyl acetate.**
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 067103
☒ 16. Reconstitute in **100µL 100% LC MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Open quantitation software and create a new quantitation batch.
Batch Name: MDS wklst 3814 TS
Worklist path: *D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS*
☒ 2. Make necessary changes to integration limits
☒ 3. Evaluate samples, S/N of primary transition >5 and S/N of secondary transition >3 or evaluation of peak symmetry and resolution. Within +/- 2% or 0.1 min RT of administrative control. Calculated concentration 5 or greater, or 2-5 for discretionary range.
☒ 4. Did all QCs pass for each analyte? Y / N _____
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

§ Case sample M2019-4654-2, originally from worklist 3767, was ran with this batch. Tamara Salazar acted as the primary analyst and performed Steps 3-16. I, Sarah Pickle, approved of all steps performed in the method.

8-15

Idaho State Police
Forensic Services

AM #25 Blood Multi-Drug Screen by LCMS-QQQ

Methanol External Control Solution (Lot: 042719)

100 ul of 1mg/mL stock was added to each drug to 9600 ul of LC MeOH.

Component	*Source*	*Source Lot Number*	*Expiration Date*
Methanol (LCMS)	Fisher	184782	
Morphine	Cerilliant	FE08141515	November 2020
Metoprolol	Cerilliant	FN06091510	July 2020
Flunitrazepam	Cerilliant	FE08051602	August 2021
Trazodone	Cerilliant	FN12151403	January 2020
Prepared:	04/27/19		
Prepared By:	Tamara Salazar		
Expires:	01/31/2020		

Blood External Control Solution (Lot: WS042719)

100 ul of methanol external control solution was added to 9900 ul of blood.
Approximately 50ng/mL of each compound.

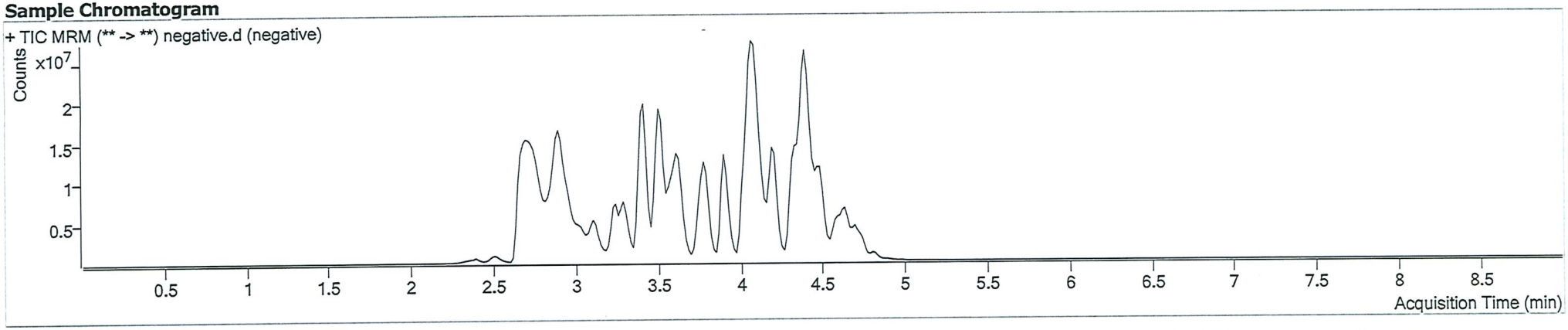
Component	*Source*	*Source Lot Number*
Negative Blood	Hemostat	445283-1
Methanol External Control Solution		042719
Prepared:	04/27/19	
Prepared by:	Tamara Salazar	
Expires:	01/31/2020	

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2019\AM 25-26\111719 MDS THCS TS\QuantResults\MDS wklst 3814 TS.batch.bin
Calibration Last Update	11/13/2019 7:39:04 AM

Instrument	Falco	**Data File**	negative.d
Type	Sample	**Sample**	negative
Acq. Method	am 25 all.m	**Operator**	
Sample Position	P1-F12	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/7/2019 8:00:46 PM		
Sample Info.			

Sample Chromatogram



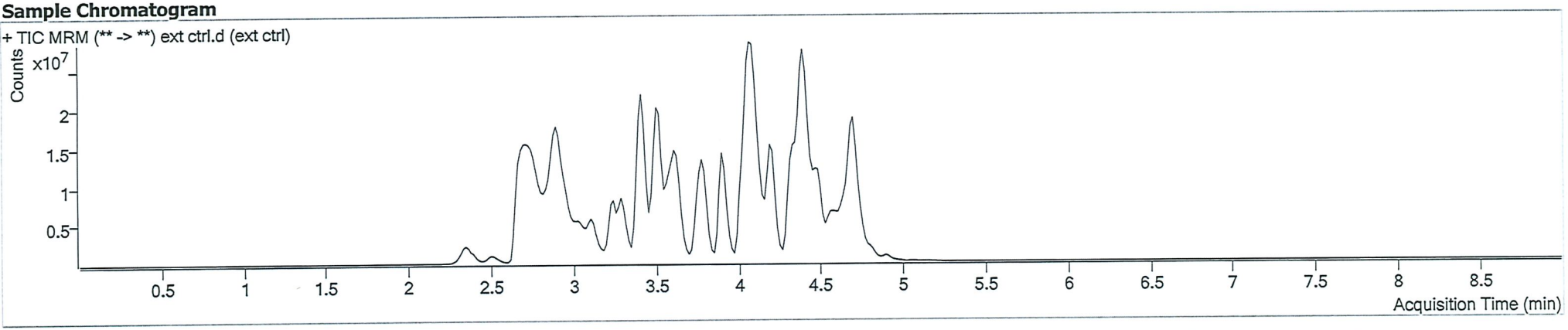
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Paroxetine	4.237 Low	23367	18.32	1891.37	8433888	0.9642

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2019\AM 25-26\111719 MDS THCS TS\QuantResults\MDS wklst 3814 TS.batch.bin
Calibration Last Update	11/13/2019 7:39:04 AM

Instrument	Falco	**Data File**	ext ctrl.d
Type	Sample	**Sample**	ext ctrl
Acq. Method	am 25 all.m	**Operator**	
Sample Position	P1-E12	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/7/2019 8:10:16 PM		
Sample Info.			

Sample Chromatogram



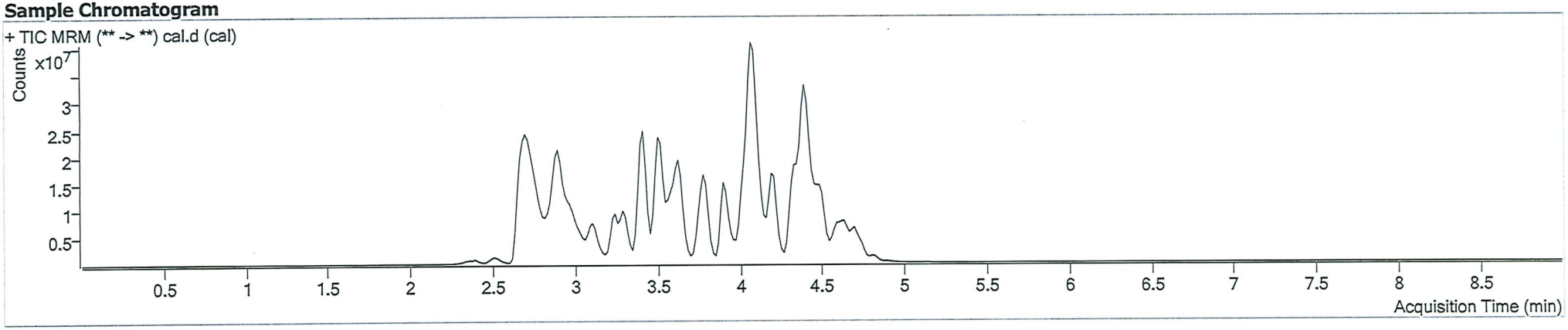
Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Flunitrazepam	4.547	5933334	2637.60	37332.47	161774	75.3146
Metoprolol	3.431	5394831	7477.99	3453374.49	11480528	74.3562
Morphine	2.353	2917566	73972.77	36285.20	169673	106.9605
Paroxetine	4.237 **Low**	21412	16.98	136.48	10017302	0.7439
Trazodone	4.695	38474112	∞	12221054.74	20284258	66.1175

AM #25 Multi-Drug Screen Results

Batch results	D:\MassHunter\Data\2019\AM 25-26\111719 MDS THCS TS\QuantResults\MDS wklst 3814 TS.batch.bin
Calibration Last Update	11/13/2019 7:39:04 AM

Instrument	Falco	**Data File**	cal.d
Type	Cal	**Sample**	cal
Acq. Method	am 25 all.m	**Operator**	
Sample Position	P1-H12	**Comment**	
Injection Volume	5		
Acq. Date-Time	11/7/2019 7:51:05 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
6-MAM	2.951	30419	8889.51	3052.83	645799	10.0000
7-aminoclonazepam	3.551	173557	99274.80	146198.50	888819	10.0000
7-aminoflunitrazepam	3.765	1425179	2695.99	1115.38	8166021	10.0000
Acetyl Fentanyl	3.915	291581	5162.90	244905.88	23924063	10.0000
Acetyl Norfentanyl	2.884	215952	7642.29	108.08	9137499	10.0000
a-hydroxyalprazolam	4.499	45287	109.43	95.60	197805	10.0000
alpha-hydroxymidazolam	4.574	596043	431.52	242753.60	5000811	10.0000
alpha-PVP	3.543	3941301	6693.95	1083.78	18961027	10.0000
Alprazolam	4.594	1028366	398.61	522.14	2538451	10.0000
Amitriptyline	4.475	3489349	∞	594.73	8033638	10.0000
Amphetamine	2.888	2335540	216.62	967.87	4902456	10.0000
Benzoylecgonine	3.351	695496	1647.14	73.31	3737771	10.0000
Buprenorphine	4.632	375109	244.04	189.91	2098892	10.0000
Bupropion	3.772	3636696	∞	∞	11064803	10.0000
Carbamazepine	4.218	4046160	381.93	189.49	24926361	10.0000
Carisoprodol	4.201	454891	497.76	183.55	2892398	10.0000
Chlordiazepoxide	4.717	219855	29.49	∞	6812219	10.0000
Chlorpheniramine	3.967	24187	456.18	∞	41096751	10.0000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Citalopram	4.100	1953849	8673.62	78970.78	8889220	10.0000
Clonazepam	4.439	83093	91.61	4561.90	167977	10.0000
Cocaine	3.580	4116261	2436479.30	201.59	19324716	10.0000
Codeine	2.849	354526	∞	24104.38	1743045	10.0000
Cyclobenzaprine	4.384	2493687	151209.00	393.01	8147913	10.0000
Desipramine	4.416	3551324	753.83	184.69	23225216	10.0000
Dextromethorphan	4.107	1883126	9075.57	437.66	8729930	10.0000
Dextrorphan	3.401	2491661	163335.25	460.41	16757531	10.0000
Diazepam	4.826	464803	3524.57	1018.56	2356522	10.0000
Dihydrocodeine	2.772	1130667	327.88	∞	5786908	10.0000
Diphenhydramine	4.030	7611133	314.78	505.78	41096751	10.0000
Doxepin	4.198	2025211	∞	∞	14665859	10.0000
Doxylamine	3.645	10588631	3230645.16	9833.98	37125273	10.0000
EDDP	4.075	4597080	6116.96	148572.48	28186296	10.0000
Estazolam	4.519	1973827	637.29	363.86	5485891	10.0000
Etizolam	4.619	198911	∞	329849.18	5485891	10.0000
Fentanyl	4.145	275155	87.94	316.76	14170592	10.0000
Flunitrazepam	4.547	616115	504.31	272.03	126518	10.0000
Fluoxetine	4.349	2579795	∞	150697.26	10643360	10.0000
Flurazepam	4.204	2304714	1362960.59	130.10	126518	10.0000
Hydrocodone	3.061	979473	69.78	18.12	6633237	10.0000
Hydromorphone	2.532	919618	∞	∞	3475591	10.0000
Imipramine	4.429	4904008	∞	∞	17900237	10.0000
Ketamine	3.526	2847149	∞	415.78	14277791	10.0000
Lamotrigine	3.601	109817	11.89	18.47	9959442	10.0000
Levamisole	2.991	3239015	470018.63	∞	19324716	10.0000
Lorazepam	4.408	13879	1078.59	8.06	167977	10.0000
Maprotiline	4.475	3480909	276.59	322.45	8033638	10.0000
MDA	3.023	967688	432.57	240.01	4776021	10.0000
MDEA	3.252	4494469	4988.41	78862.74	21785128	10.0000
MDMA	3.100	4840667	662655.46	5067.05	3245148	10.0000
Meperidine	3.601	1960836	353.37	210.55	9959442	10.0000
Meprobamate	3.636	80216	231.43	15.60	339837	10.0000
Methadone	4.394	6053711	1149.54	12061.92	25839113	10.0000
Methamphetamine	2.994	3772868	∞	3627.55	18894774	10.0000
Methocarbamol	3.541	147377	295.63	36.64	9959442	10.0000
Methylphenidate	3.511	8471295	∞	611.36	35643985	10.0000
Metoprolol	3.431	629410	613.56	336418.80	9959442	10.0000
Midazolam	4.743	538585	∞	∞	5881464	10.0000
Mirtazapine	3.999	3279831	∞	10861508.47	9959442	10.0000
Mitragynine	4.234	456891	1855.16	443657.72	14665859	10.0000
Morphine	2.353	246091	1279.06	566.53	153077	10.0000
Norbuprenorphine	3.881	27973	295.36	7776.33	144602	10.0000
Nordiazepam	4.676	163160	26757.24	395.47	521175	10.0000

AM #25 Multi-Drug Screen Results

Name	RT	Resp.	S/N	S/N	ISTD Resp.	Calc. Conc.
Norfentanyl	3.312	4471264	89918.90	458.50	19752058	10.0000
Norhydrocodone	2.957	29823	92.55	32.30	929513	10.0000
Normeperidine	3.604	941307	214.39	282.60	2998862	10.0000
Noroxycodone	2.909	599843	290.19	132.91	2001673	10.0000
Nortriptyline	4.447	1533287	1308896.83	862.03	3659153	10.0000
O-desmethyl-tramadol	2.898	9069493	5451.82	58.93	39059047	10.0000
Olanzapine	4.009	394342	9.75	21.05	49069	10.0000
Oxazepam	4.489	84044	97.75	18.43	508400	10.0000
Oxycodone	2.937	1919273	∞	249.87	8122491	10.0000
Oxymorphone	2.393	750968	334.50	∞	2170058	10.0000
Paroxetine	4.421	223591	∞	134.54	7781586	10.0000
Phenazepam	4.619	179483	292677.92	297.25	943280	10.0000
Phencyclidine	3.924	4185469	732.35	320.66	20185613	10.0000
Phentermine	3.147	957685	∞	9.21	11754413	10.0000
Phenytoin	4.124	12716	1346.26	646.57	49069	10.0000
Promethazine	4.382	6800088	229660.70	∞	31418271	10.0000
Pseudoephedrine	2.704	43276748	∞	13544.00	122916165	10.0000
Quetiapine	4.496	4895011	1596623.76	229858.80	5293898	10.0000
Sertraline	4.610	1570378	635.76	372.99	7781586	10.0000
Sufentanil	4.480	289223	101379.82	∞	18890808	10.0000
Tapentadol	3.421	4114046	4517.92	2245.05	19768698	10.0000
Temazepam	4.641	749312	131.61	120.59	4119661	10.0000
Tramadol	3.416	8811000	905.91	306.04	36368005	10.0000
Trazodone	4.695	4969685	∞	5994.82	17323498	10.0000
Venlafaxine	3.796	6602537	2554.76	323.55	32374355	10.0000
Zaleplon	4.349	661464	208.15	∞	1493857	10.0000
Zolpidem	4.334	7573201	292.91	∞	35782554	10.0000
Zopiclone	4.220	55044	51029.50	26.97	326345	10.0000

TS

AM# 26: THC and Metabolites Screen in Blood by LC-MS/MS

Extraction Date: 11/07/19 Analyst: Tamara Salazar

Plate lot# IDP-108, 190716 Plate Expiration: 01/16/20

Mobile phase A: 10mM Ammonium Formate 0.1% Formic Acid in Water **Mobile phase B:** 0.1% Formic acid in MeOH MTBE Hexane

Blank Blood Lot: 445283-3 **Column**: Phenomenex Phenyl Hexyl (4.6x50mm: 2.6 um)

LCMS-QQQ ID: 069901

Pre-Analytic:

☒ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
☒ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
☒ 3. Create worklist:

Analytic:

☒ 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
☒ 2. Pipette **1000 µL blood (calibrated pipette) Pipette ID: 3** in wells of analytical (standards) plate.
☒ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 067105*
☒ 4. Pipette **500 µL 0.1% formic acid** for blood in wells of analytical plate.
☒ 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
☒ 6. Transfer **800 µL of blood+base** mixture to corresponding wells of SLE+ plate.
☒ 7. Apply positive pressure for approx. 4 seconds (or until no liquid remains on top of sorbent). ***(Load at 85-100 PSI- Selector to the right)*** Manifold ID: 067104
☒ 8. Wait 5 minutes.
☒ 9. Add **2.25 mL MTBE** (add in 3 increments of 750uL).
☒ 10. Wait 5 minutes.
☒ 11. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 12. Add **2.25 mL hexane** (add in 3 increments of 750uL).
☒ 13. Wait 5 minutes.
☒ 14. Apply positive pressure for approx. 15 seconds. ***(10-15 PSI- Selector to the left).***
☒ 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C. *SPE Dry ID: 067103*
☒ 16. Reconstitute in **100µL 100% MeOH** and heat seal plate with foil. Place in autosampler and run worklist.

Post-Analytic

☒ 1. Create batch and process data.
Worklist path: *D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS*
Batch Name: *THCS wklst 3814 TS*
☒ 2. Calculated sample concentration of 3 ng/mL or greater for THC and THC-OH, a calculated sample concentration of 10 ng/mL or greater for Carboxy-THC.
☒ 3. Retention time within +/- 2% or +/-.100 min whichever is greater of the average retention time of the calibrators.
☒ 4. Did all QCs pass for each analyte? Y / N
☒ 5. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS:

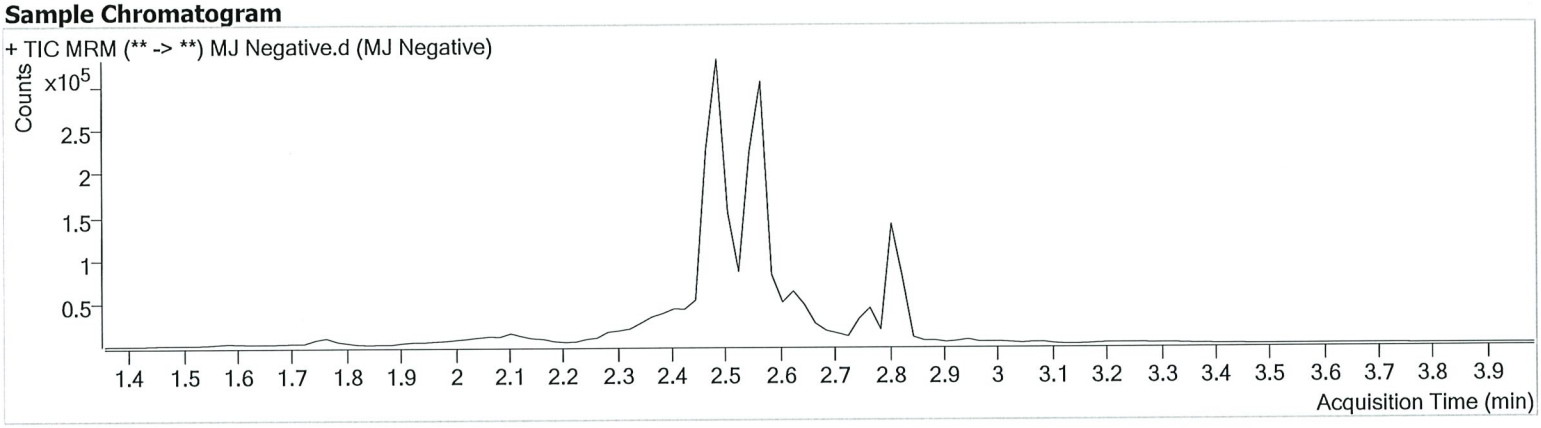
AM #26 Cannabinoids Screen Results

TS

Batch results	D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update	11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Negative.d
Type	Sample	**Sample**	MJ Negative
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-A2	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 4:28:17 PM		
Sample Info.			

Sample Chromatogram

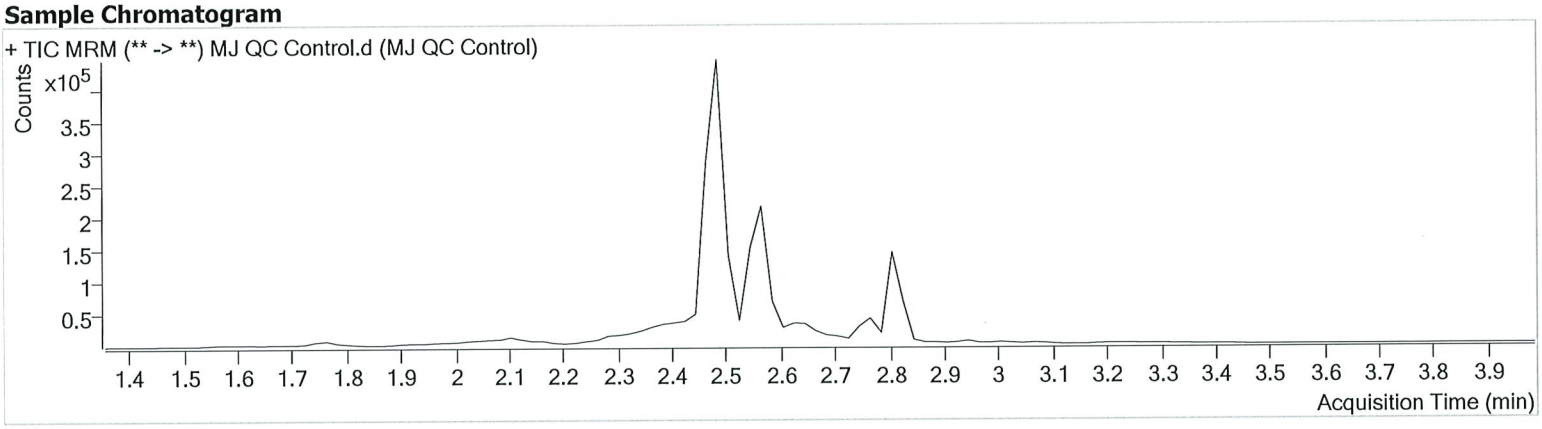


AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update 11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ QC Control.d
Type	Sample	**Sample**	MJ QC Control
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-H1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 4:15:14 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	6009	238797	4.3007	ng/ml
THC-COOH	2.585	45338	337559	8.9186	ng/ml
THC-OH	2.491	63672	971575	4.9428	ng/ml

TS

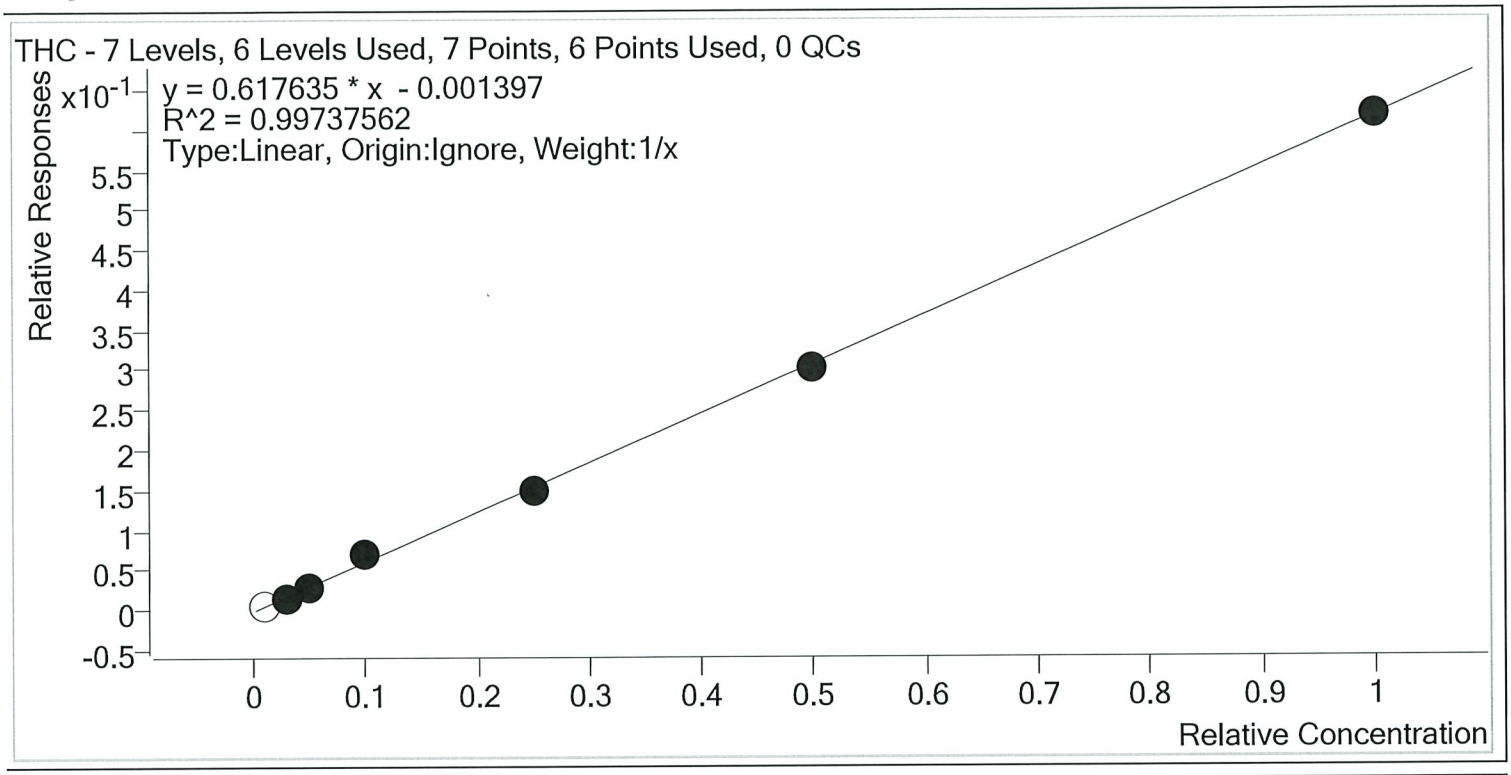
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin

Last Cal. Update 11/20/2019 8:32 AM

Analyst Name ISP\datastor

Analyte THC **Internal Standard** THC-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	×	1.0	1.2	119.0
MJ Cal 2	2	✓	3.0	2.7	90.9
MJ Cal 3	3	✓	5.0	4.8	95.9
MJ Cal 4	4	✓	10.0	11.7	117.5
MJ Cal 5	5	✓	25.0	24.2	96.6
MJ Cal 6	6	✓	50.0	49.5	99.0
MJ Cal 7	7	✓	100.0	100.1	100.1

B

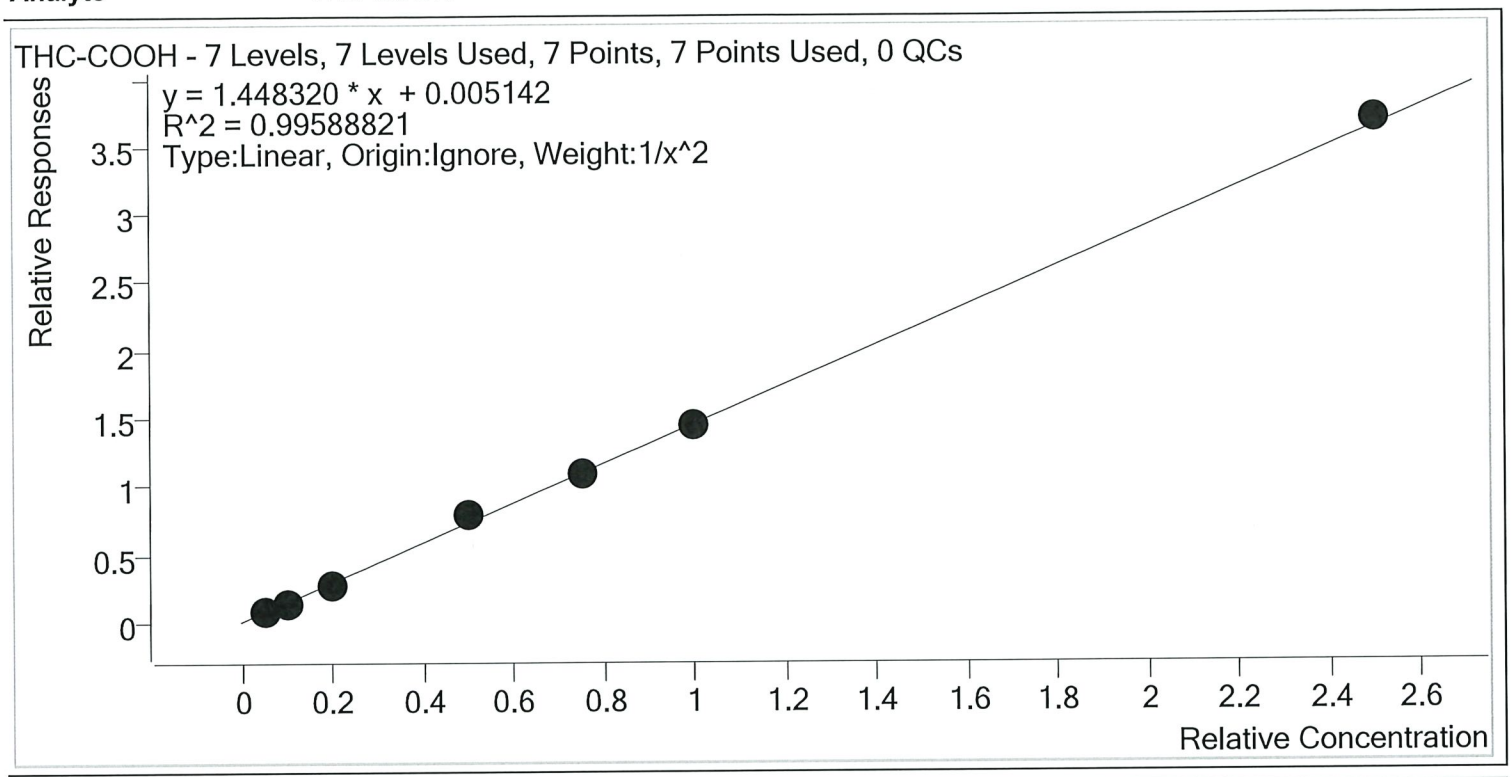
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin

Last Cal. Update 11/20/2019 8:32 AM

Analyst Name ISP\datastor

Analyte THC-COOH **Internal Standard** THC-COOH-d9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 1	1	✓	5.0	5.2	104.7
MJ Cal 2	2	✓	10.0	9.2	91.6
MJ Cal 3	3	✓	20.0	19.0	95.1
MJ Cal 4	4	✓	50.0	53.4	106.8
MJ Cal 5	5	✓	75.0	75.4	100.5
MJ Cal 6	6	✓	100.0	99.8	99.8
MJ Cal 7	7	✓	250.0	253.8	101.5

D

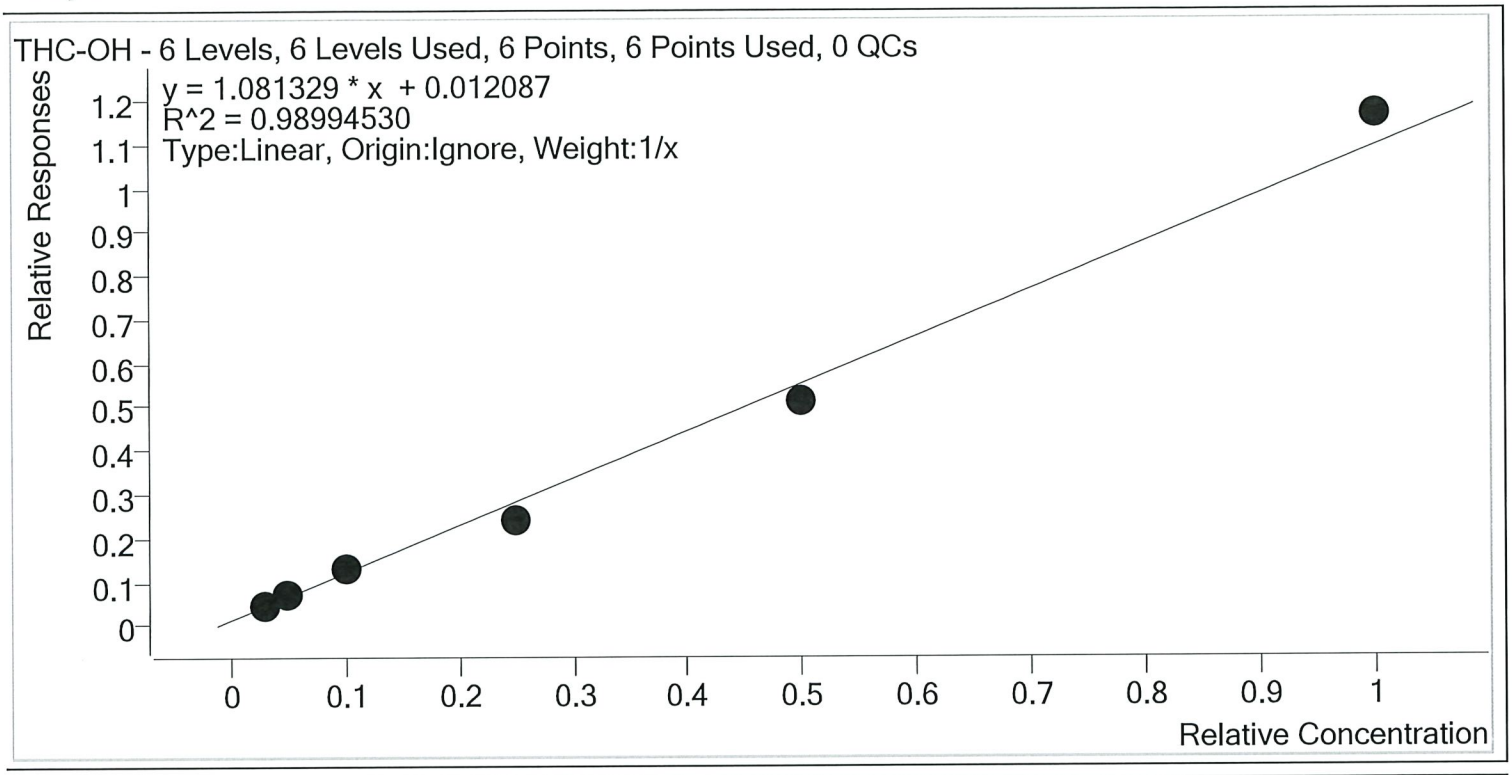
AM #26 Cannabinoids Screen Calibration Curve Report

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin

Last Cal. Update 11/20/2019 8:32 AM

Analyst Name ISP\datastor

Analyte THC-OH **Internal Standard** THC-OH-d3



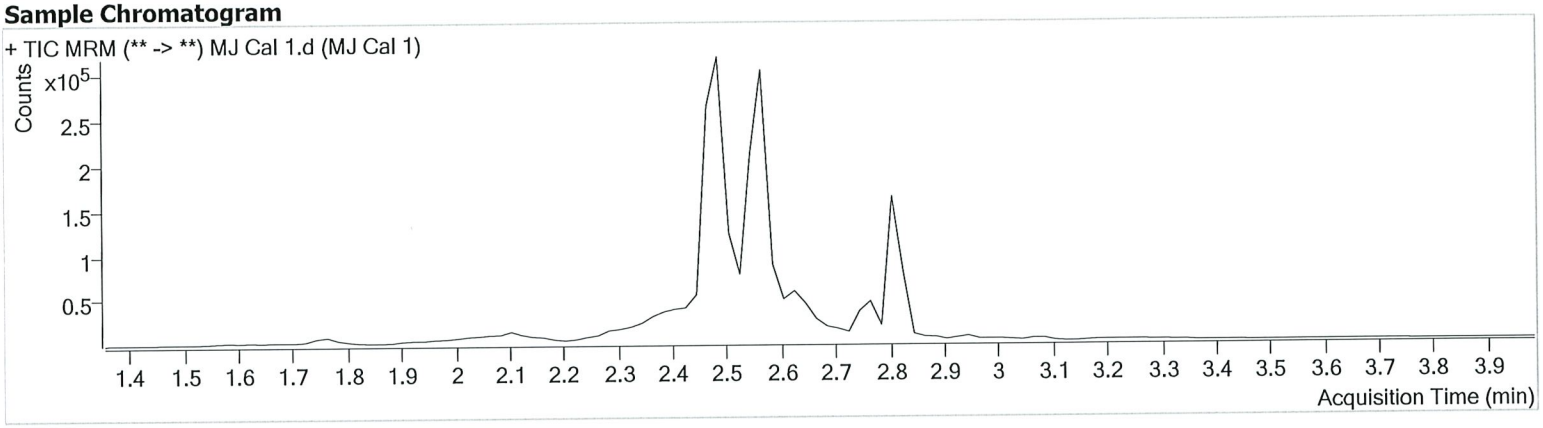
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
MJ Cal 2	2	✓	3.0	3.2	106.7
MJ Cal 3	3	✓	5.0	5.2	103.2
MJ Cal 4	4	✓	10.0	10.7	107.0
MJ Cal 5	5	✓	25.0	20.9	83.7
MJ Cal 6	6	✓	50.0	46.3	92.7
MJ Cal 7	7	✓	100.0	106.7	106.7

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update 11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 1.d
Type	Cal	**Sample**	MJ Cal 1
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-A1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 3:29:30 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.819	1649	276956	1.1904	ng/ml	Low
THC-COOH	2.565	37982	469155	5.2348	ng/ml	

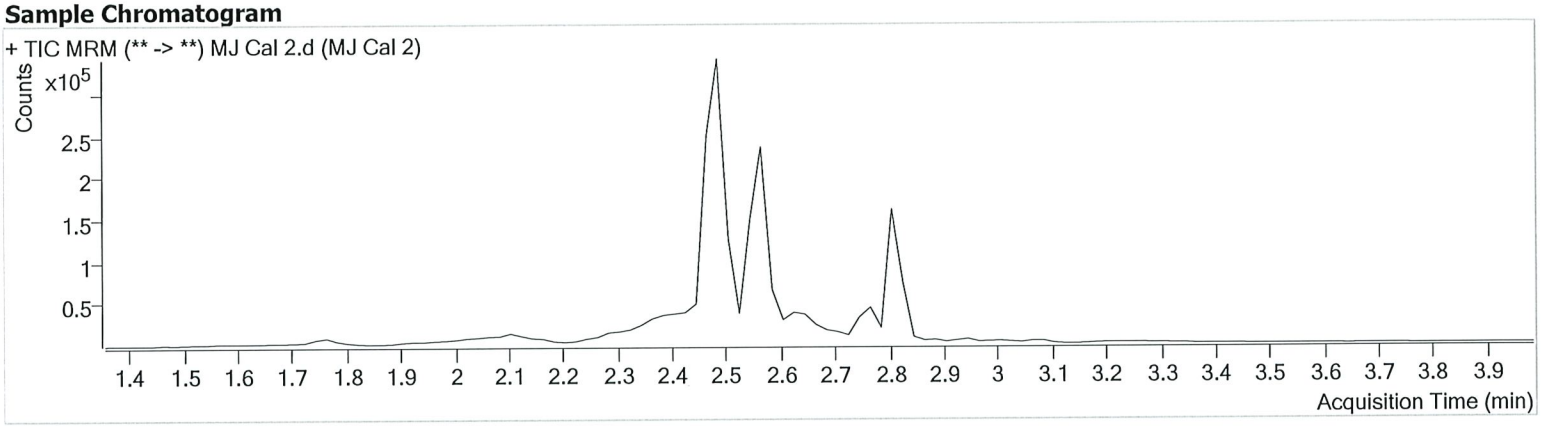
AM #26 Cannabinoids Screen Results

TS

Batch results	D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update	11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 2.d
Type	Cal	**Sample**	MJ Cal 2
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-B1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 3:36:11 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.		
THC	2.819	4126	267028	2.7276	ng/ml	Low
THC-COOH	2.565	52343	379848	9.1594	ng/ml	
THC-OH	2.491	39441	844777	3.1999	ng/ml	

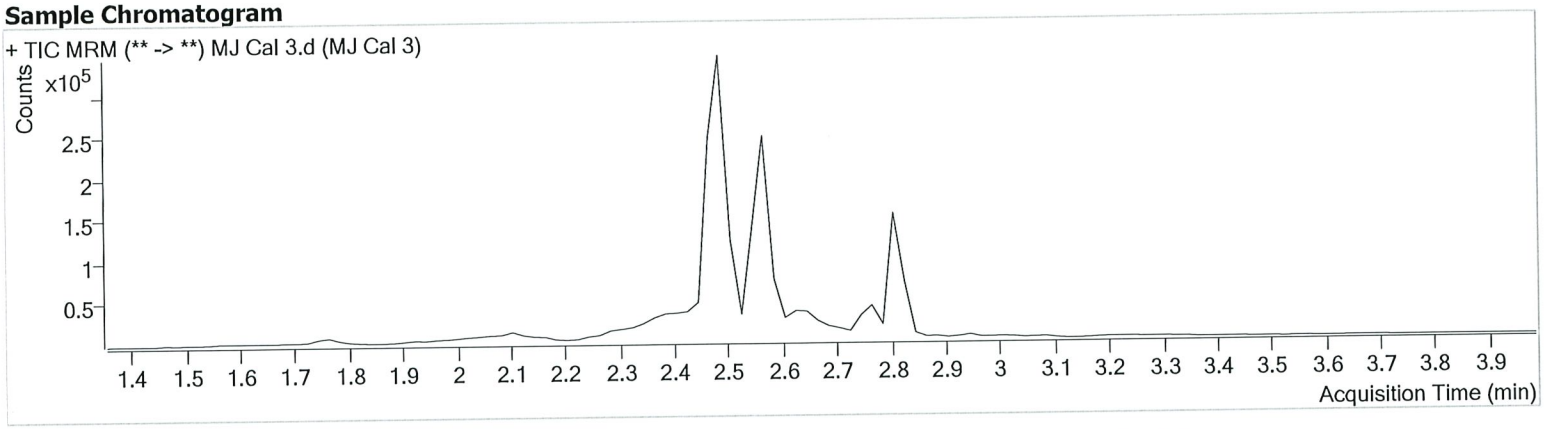
TS

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update 11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 3.d
Type	Cal	**Sample**	MJ Cal 3
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-C1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 3:42:42 PM		
Sample Info.			

Sample Chromatogram



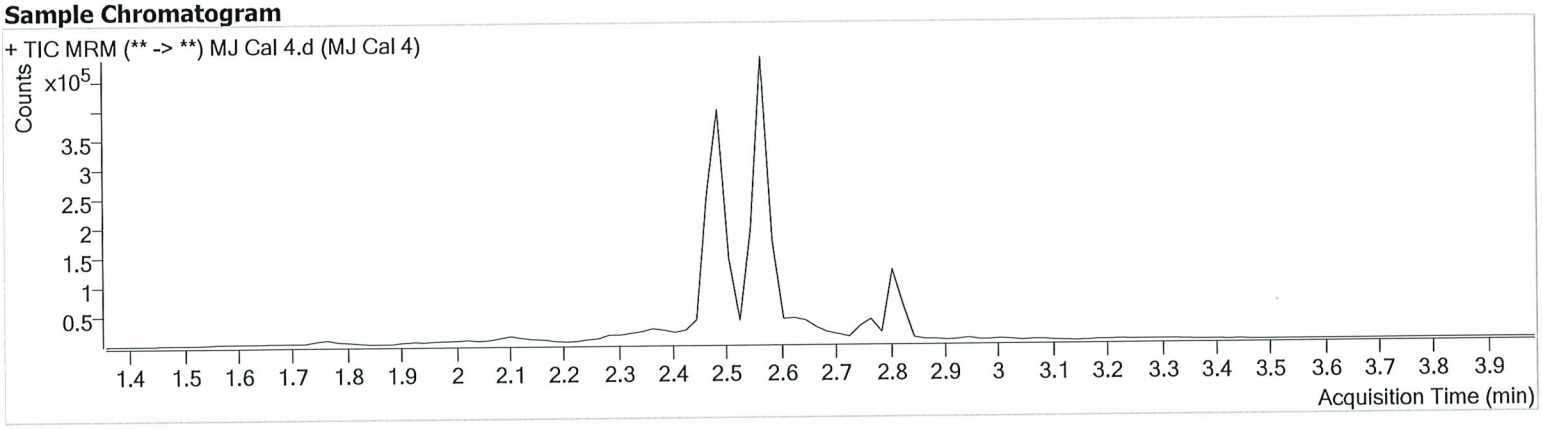
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	7013	248501	4.7956	ng/ml
THC-COOH	2.565	86599	308680	19.0155	ng/ml
THC-OH	2.491	53537	788622	5.1603	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update 11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 4.d
Type	Cal	**Sample**	MJ Cal 4
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-D1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 3:49:12 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	13698	192463	11.7494	ng/ml
THC-COOH	2.565	267049	342859	53.4238	ng/ml
THC-OH	2.491	103359	808507	10.7047	ng/ml

AM #26 Cannabinoids Screen Results

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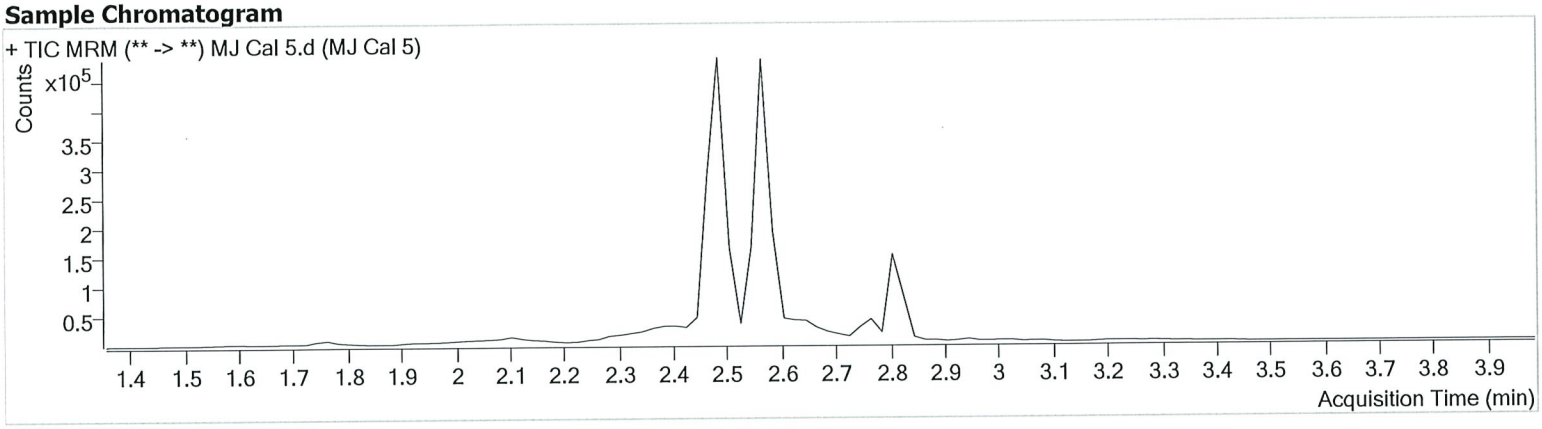
Batch results	D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update	11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 5.d
Type	Cal	**Sample**	MJ Cal 5
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-E1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 3:55:43 PM		
Sample Info.			

Sample Chromatogram



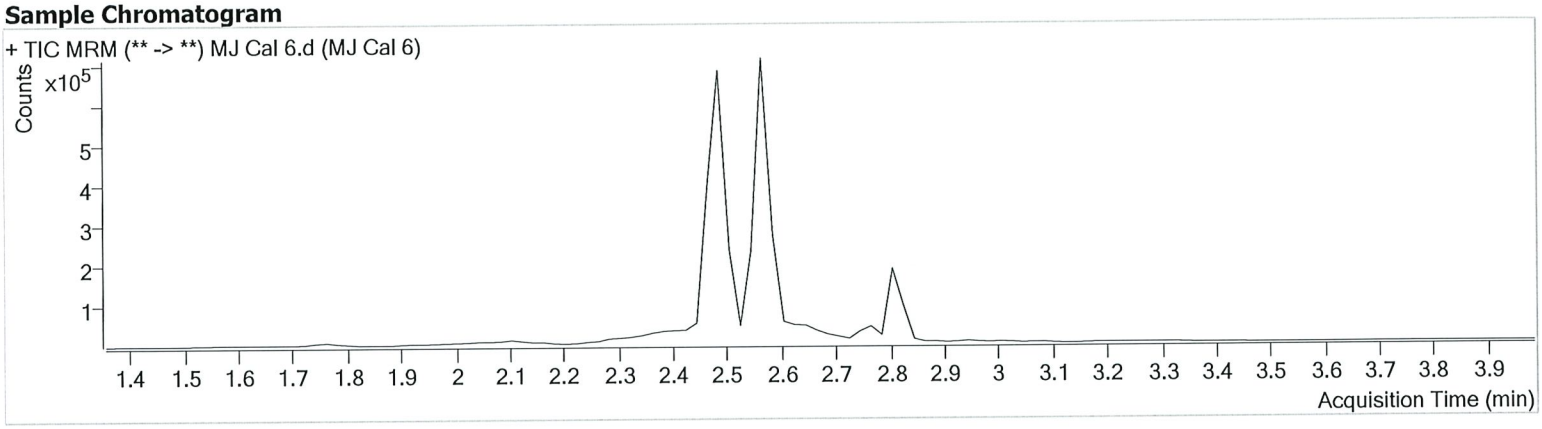
Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	33128	224183	24.1516	ng/ml
THC-COOH	2.565	290746	265063	75.3804	ng/ml
THC-OH	2.491	199282	835630	20.9367	ng/ml

AM #26 Cannabinoids Screen Results

Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update 11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 6.d
Type	Cal	**Sample**	MJ Cal 6
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-F1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 4:02:13 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	72794	239236	49.4909	ng/ml
THC-COOH	2.565	458026	315908	99.7520	ng/ml
THC-OH	2.491	482159	939605	46.3379	ng/ml

AM #26 Cannabinoids Screen Results

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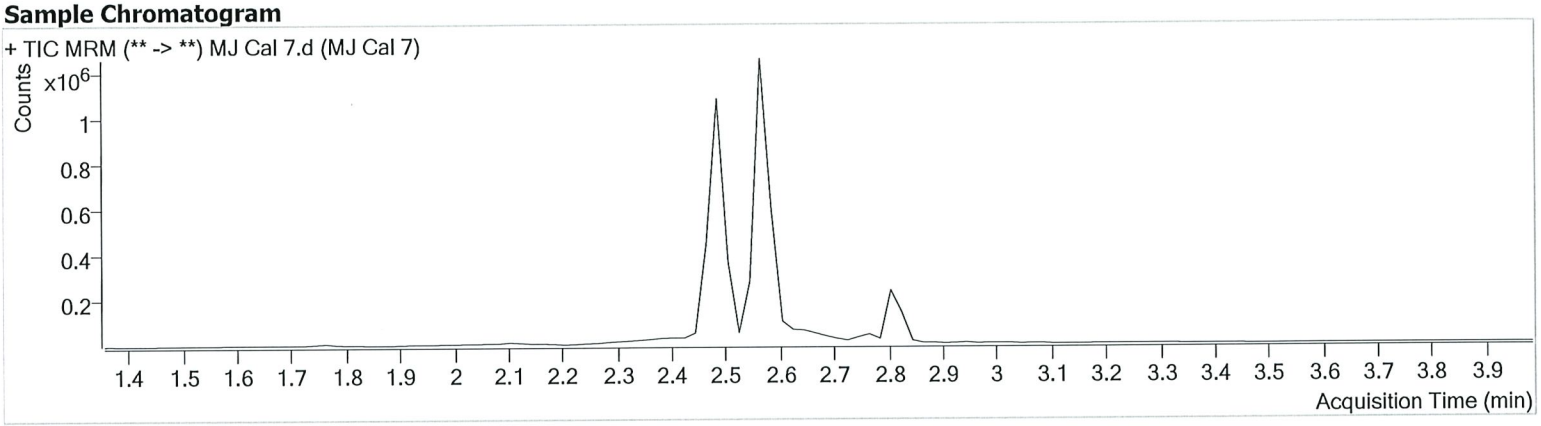
Batch results D:\MassHunter\Data\2019\AM 25-26\110719 MDS THCS TS\QuantResults\THCS wklst 3814 TS.batch.bin
Calibration Last Update 11/20/2019 8:32:33 AM

Instrument	Falco	**Data File**	MJ Cal 7.d
Type	Cal	**Sample**	MJ Cal 7
Acq. Method	am 26 test.m	**Operator**	Tamara Salazar
Sample Position	P3-G1	**Comment**	
Injection Volume	10		
Acq. Date-Time	11/7/2019 4:08:44 PM		
Sample Info.			

Sample Chromatogram



Name	RT	Resp.	ISTD Resp.	Final Conc.	
THC	2.819	155188	251618	100.0850	ng/ml
THC-COOH	2.565	939077	255105	253.8109	ng/ml
THC-OH	2.491	1141390	979366	106.6605	ng/ml